19970709.ba ba-por01.546 ba-por01.547 ba-por01.548
>1546
>From owner-boatanchors@theporch.com Tue Jul 8 00:06 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTP id AAA04042
> for <SHIMSHON@URO.THEPORCH.COM>; Tue, 8 Jul 1997 00:06:05 -0500 (CDT)
>Received: from sco.theporch.com (localhost [127.0.0.1])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with SMTP id FAA02595;
> Tue, 8 Jul 1997 05:05:18 GMT
>Message-Id: <199707080505.FAA02595@sco.theporch.com>
>Date: Tue, 8 Jul 1997 00:05:18 CDT
>Sender: owner-boatanchors@theporch.com
>From: boatanchors@theporch.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: BOATANCHORS digest 1546
>Mime-Version: 1.0
>Content-Type: multipart/mixed; boundary="--
__ListProc__NextPart__868338289434169144"
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
>Status: O

BOATANCHORS Digest 1546

Topics covered in this issue include:

 1) Info...
 by Ken Gordon <keng@uidaho.edu>
 2) WTB: RME-45 ()
 by eb5agv@ctv.es
 3) Relays for sale:
 by "Herbert M. Rosenthal" <herbrose@lobo.net>
 4) Collective wisdom requested...
 by Ken Gordon <keng@uidaho.edu>
 5) RE: DY-88 parts: Wanted...
 by Ken Gordon <keng@uidaho.edu>
 6) S40B knob
 by "Yves Dussault" <dussault@vipxlnet.com>
 7) SX117/HT44/SR150 parts need
 by sinned@VNET.IBM.COM
 8) PR Crystals
 by Bob Reynolds <breynold@sigg.com>
 9) ADMINISTRIVIA: Using The Archives
 by Mail List Owner <listown@jackatak.theporch.com>
 10) Crystal IF's for ARC-5's ?
 by dfrancis@iex.net (Dexter Francis)
 11) CAY-47226 Tuning Unit *Container* Available
 by dfrancis@iex.net (Dexter Francis)
 12) R-19/TRC-1 Freq & Xtal Formula?

 by dfrancis@iex.net (Dexter Francis)
 13) Re: Copying manuals
 by dfrancis@iex.net (Dexter Francis)
 14) Re: Crystal IF's for ARC-5's ?
 by Al Klase <skywaves@bw.webex.net>
 15) Re: Copyrights
 by dfrancis@iex.net (Dexter Francis)
 16) Re: Manuals: ART-13, $0.02 on copyrights
 by "Ian Abbott" <ian@gene.COM>
 17) WTB: Tube Copier
 by "P. J. Rovero" <provero@connix.com>
 18) Re: Copyrights (continued)
 by dfrancis@iex.net (Dexter Francis)
 19) FT101 knob and comments
 by Matt Jodziewicz <mattj@orausa.com>
 20) FS: Collins 312B-5 , WTB 455.8kc xtal
 by David Meitzen <hdmeitzen@champion.aclic.com>
 21) Vibrators & Caps
 by Mac Shawe <macshawe@erols.com>
 22) WTB Collins 310 with 2E26 final
 by stevenn@ix.netcom.com (Steve M Fried)
 23) 6080 tubes?
 by Doug Hall <dhall@jps.com>
 24) Re: Crystal IF's for ARC-5's ?
 by DCrespy@aol.com
 25) thanks
 by Jderm740@aol.com
 26) (Fwd) Hammarlund equipment
 by "Grant Youngman" <nq5t@gte.net>
 27) Two national questions (SW-3 & NC100)
 by "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>

Date: Sun, 6 Jul 1997 22:42:28 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: Info...
Message-ID: <Pine.BSF.3.95.970706222020.24493A-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am hoping that the collective wisdom of the list can help with a project
I have in mind.

I need an octal based tube which must be either of the following:

1) A pentode/triode with separate connections to all elements (no cathode

connected internally to grid three) AND the triode section must have all three elements connected to separate pins.

The pentode's grid three must be connected to one of the filament pins, and one element of either section must be connected to a top connection. This one would have to be a double-ended tube.

2) A dual-diode/triode with all elements brought out to separate pins EXCEPT that one of the diode cathodes CAN be connected to one of the filament pins, AND there must be separate cathodes for all sections , i.e. three cathodes.

This tube could be either single or double-ended.

Herb Rosenthal, maybe I need that mercury vacumn pump we were discussing?

Ken W7EKB

Date: Mon, 07 Jul 1997 08:13:51 +0200
From: eb5agv@ctv.es
To: boatanchors@sco.theporch.com
Cc: BAswaplist@foothill.net
Subject: WTB: RME-45 ()
Message-ID: <3.0.1.32.19970707081351.006c8b04@192.168.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello gang!

As title says, I would like to buy a RME-45 (A, B). It doesn't need to be working but I want a complete unit. Please, e-mail offers stating model, condition and price.

Thanks and best regards.

JOSE

73 JOSE V. GAVILA (EB5AGV / EC5AAU)
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

***** PLEASE, VISIT MY HOME PAGE! *****

 http://www.geocities.com/SiliconValley/6992/
 e-mail: eb5agv@ctv.es & eb5agv@amsat.org

Date: Mon, 07 Jul 1997 07:23:15 -0600
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: BoatAnchors <boatanchors@theporch.com>
Subject: Relays for sale:
Message-ID: <33C0EDBC.6984@lobo.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For SALE: a small quantity (NOS) of each of the following:

1. Amperite Thermal Time Delay 115 NO 30; B series (NOT glass; plastic module with 1/8" quick connect or solder terminals: 1 1/8" x 1 5/8" x 7/8" h).
These are functionally the same as the old glass relays, and very much cheaper.

2. CLARE HGSM 5002. These are mercury wetted, SPDT, vertical mount, with a 24v dc coil. Made to mount on a printed circuit board; 5/8" x 5/8" x 2" high; similar to current HGWM series.

Please email (herbrose@lobo.net) and we'll discuss quantity and $$ off BA.

Thanks,
Herb Rosenthal W5AN

Date: Mon, 7 Jul 1997 08:25:43 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: Collective wisdom requested...
Message-ID: <Pine.BSF.3.95.970707082441.29026D-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How in the heck does one get stuck slugs to move with out breaking the

darned things?

Ken W7EKB

Date: Mon, 7 Jul 1997 08:31:14 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Tom Luther <toml@efusion.com>
Cc: "boatanchors@sco.theporch.com" <boatanchors@sco.theporch.com>,
 "baswaplist@foothill.net" <baswaplist@foothill.net>
Subject: RE: DY-88 parts: Wanted...
Message-ID: <Pine.BSF.3.95.970707082637.29026E-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, gang, the vibrator I have works. The schematic is so darned
small and hard for me to read that I didn't discover until long after I
had posted the above referenced note that by connecting the GRC-109
cable, it starts the vibrator working. I still don't have proper voltages
but I am sure now that that is because of mis-connections.

In any case, I got a LOT of help from the list (as usual) concerning how
to fix the vibrator and offers of replacements. I will reiterate, this
list contains one of the finest collections of people I have ever known

Again, thanks all.

Ken W7EKB

Date: Mon, 07 Jul 1997 11:27:15 -0400
From: "Yves Dussault" <dussault@vipxlnet.com>
To: boatanchors@sco.theporch.com
Subject: S40B knob
Message-ID: <3.0.1.32.19970707112715.006bbc5c@vipxlnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi!
I have an almost perfect S40B (that was my first receiver way back in
1952....).
It would be perfect if I had the authentic bandswitch knob!
The previous owner has installed a "better" knob...

Does any body out there have a spare knob? (Wishfull idea...?)

73

VE2ATD
Yves Dussault

Date: Mon, 7 Jul 97 10:58:33 CDT
From: sinned@VNET.IBM.COM
To: boatanchors@sco.theporch.com
Subject: SX117/HT44/SR150 parts need
Message-ID: <199707071613.QAA14076@sco.theporch.com>

There is one among us who needs the top & bottom covers for
an SX117. Apparently the covers from an HT-44 or an SR-150
will also fit. Also needed is an S-meter and those little
red Dzus thingies that keep things together.

The SX-117 needing the parts was used as a target for small
caliber rifle practice. Amazingly, it was restorable to working
condition, but now functions with it's innards exposed.

John, W7ZFB in Albequerque NM needs the parts. Please e-mail him at
msix@rt66.com if you can help with this need. John is a regular on
7060 most nights, so if you would prefer CW as the mode, he's there
most evenings.

Dennis
W5FRS

Date: Mon, 7 Jul 1997 11:14:42 -0500
From: Bob Reynolds <breynold@sigg.com>
To: boatanchors@theporch.com
Subject: PR Crystals
Message-ID: <97Jul7.111100cdt.19719@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Can anyone give me the phone number for "PR" CRYSTALS?

Thanks & 73, Red K5VOL

breynold@sigg.com (near Chicago)

Date: Mon, 7 Jul 97 11:15:01 CDT
From: Mail List Owner <listown@jackatak.theporch.com>
To: boatanchors@sco.theporch.com
Subject: ADMINISTRIVIA: Using The Archives
Message-ID: <9707071115.aa28890@jackatak.theporch.com>

Gang-

This periodic post is designed to help everyone gain more value from
their boatanchors subscription.

SAVE THIS FILE FOR FUTURE REFERENCE!!!!!

Often I receive an email request, or I read on the list, of someone
who is aware there is an archive available with some special files
with special information that is of a more permenant nature than a
post to the list, but who is unaware of how to retrieve these gems.

In the archives, there are cross-reference tables for Tubes, Military
Equipment Nomenclature, suggestions for restorations and modifications
to our beloved fire bottle rigs, and some wonderful stories of real
adventures and the people involved.

These files may be accessed by email... quickly and easily.

Step One:
 send an email (leave the subject blank, or, if your mailer
 requires a subject, type a single character, like "a" in
 the subject box) to:
listproc@sco.theporch.com

Step Two:
 in the body type:
index boatanchors

Step Three:
 after checking out the index for files of interest, and finding
 the one or more you want to have sent to you, send another
 email to:

listproc@sco.theporch.com

 and, in the body, type:
get boatanchors file.name

 where you substitute the name of the file from the index
 for "file.name"

This should get you off to a good start. If you encounter any problems,
please let me know at the address below.
--
73
Jack, W4KH/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
 - - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

Date: Mon, 7 Jul 1997 10:29:34 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Subject: Crystal IF's for ARC-5's ?
Message-ID: <v01520d02afe6745d9b23@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings all-

I decided to pull the ARRL Handbook down and see what they have to say
about crystal filters.
I was delighted to find a section on IF Selectvity (and there is even a
table on Collins Mechanical Filters). Now I have a question. Refer to
Page 12-27 if you have the 1991 book handy.

Figures (A) and (B) both show crystals on the output of the IF transformer.
It seems to me that it should be possible to accomplish this by building a
crystal into the ARC 5's IF can, but what of that "extra" coil? (The one to
the right of the IF primary and secondary coils?) Is this simply a coil
added in series with the crystal, or is it wound on the same core as the IF
coils? (Ugly!)

Slightly theoretically impaired minds want to know...

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 7 Jul 1997 10:49:52 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Subject: CAY-47226 Tuning Unit *Container* Available
Message-ID: <v01520d00afe67a95111e@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings all -

This gorgeous crinkle black enclosure followed me home with some unrelated items.

It is in very good condition.

I regret that the tuning unit which usually calls it home was not inside.

If anyone has a GP-7 and is in need of this, I'll be very accommodating.

(Otherwise, it will make a terrific lunch box/conversation piece!)

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 7 Jul 1997 11:00:43 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Subject: R-19/TRC-1 Freq & Xtal Formula?
Message-ID: <v01520d00afe67df1db2d@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Could anyone tell me what the operating frequency range and crystal formula is for the R-19/TRC-1?
This appears to be a ground based receiver that was used with telephone equipment.

Also - Has anyone been able to hit the Web page at Ft. Gordon lately? I've tried several times over the past few weeks with no success. Also can't seem to hit Bill's Equipment page.
-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 7 Jul 1997 11:19:33 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Cc: fritsche@msn.com
Subject: Re: Copying manuals
Message-ID: <v01520d01afe67f0f1e56@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Commerce is an interesting thing. Most of us wouldn't blink if a close friend asked us to make a copy of a manual that they needed, and also wouldn't blink if a stranger offered us $10 for the same priviledge. (We've gotten used to the idea that friends deserve favors and strangers pay cash.)

If I pay someone $20 for an origional (as I have done), assuming the copyright has expired, [which is generally true of publications that were in print prior to 1960 and were not renewed on the deadline in 1966 or thereabouts], I can easily make back my "investment" by selling a few copies for a few dollars each. When done, I still have the origional, and a some folks are happier for having the relatively rare technical data they need for their radio. In that case I think I'm mostly helping out a few friends and strangers and maybe taking a small payment for my efforts/copy costs.

On the other hand, when I buy a manual for a radio I don't own, with the intent of making copies and selling them, then I think I'm in the manual business. That too is O.K. as there are obviously more radios around than manuals for them. (Find a niche market and fill it!)

Now if someone could just come up with a "copy" machine for tubes! That *would* be an invention.

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 07 Jul 1997 12:49:12 -0700
From: Al Klase <skywaves@bw.webex.net>
To: dfrancis@iex.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Crystal IF's for ARC-5's ?
Message-ID: <33C14838.59AE@webex.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dexter and The Group,

 If it's the same xtal filters as shown on page 12-27 of the '87 handbook, those are center tapped secondaries. (Note the dot above each coil indicating the start of the winding.) You need to get two versions of the signal 180 degrees out of phase reletave to ground. I've seen crystal filter circuits that used a pair of caps to tune an untapped secondary and provide an appropriate tap.

Food for thought,
Al

Dexter Francis wrote:
>
> Greetings all-
>
> I decided to pull the ARRL Handbook down and see what they have to say
> about crystal filters.
> I was delighted to find a section on IF Selectvity (and there is even a
> table on Collins Mechanical Filters). Now I have a question. Refer to
> Page 12-27 if you have the 1991 book handy.
>
> Figures (A) and (B) both show crystals on the output of the IF transformer.
> It seems to me that it should be possible to accomplish this by building a
> crystal into the ARC 5's IF can, but what of that "extra" coil? (The one to
> the right of the IF primary and secondary coils?) Is this simply a coil
> added in series with the crystal, or is it wound on the same core as the IF

> coils? (Ugly!)
>
> Slightly theoretically impaired minds want to know...
>
> -df
>
> * CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
> * http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
> * e-mail to: tubes@usa.net *

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

Date: Mon, 7 Jul 1997 13:11:04 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Cc: lrware@pipeline.com
Subject: Re: Copyrights
Message-ID: <v01520d02afe684144c37@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings all -

Since I've looked into this recently, I'll pass on what I've learned about
copyrights:

According to the 1978 law, the term of copyrights on works created and
published or registered before January 1, 1978 was basically 28 years. So
the first thing is to check and see if the work was copyrighted prior to
1950. If so, there is a chance
that it's public domain, as the copyright had to be be renewed *during* the
28th year of coverage.

If the copyrights were not renewed, the work fell into the public domain.

If the last copyright date is after 1/1/64, you are probably out of luck
until at least 2011. (47 years)

However, this means there is a large body of works that were published
before 1950
that could be public domain.

So, check those manual copyright dates and let's be careful out there.

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 7 Jul 1997 13:03:53 -0700
From: "Ian Abbott" <ian@gene.COM>
To: boatanchors@theporch.com
Cc: 74221.3661@compuserve.com
Subject: Re: Manuals: ART-13, $0.02 on copyrights
Message-ID: <9707071303.ZM9341@emerald.gene.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello-

I've been following the discussion about copying manuals because of a recent personal experience.

A few months ago I bought an ART-13. (I'd like to mention that I am grateful to this day for the friendly advice I received from members of this list.) One of the first things I needed was a manual, of course, and I ordered a "partial repro" from a commercial outfit.

What I received sure was partial- only a small fraction of the full manual- and poorly reproduced, being either an (n)th generation copy or the product of an inadequate copy machine. I felt sorta ripped off, but didn't make a stink about it because I had got good deals from this outfit in the past.

Soon after that, I found that a friend of mine had an *original* manual that he was willing to loan to me for copying. It's a substantial manual, but I copied it page by page (tedious!) on a good machine to produce a "master" copy. (I reduced the 11" x 17" fold-outs to 8.5" x 11", except for the schematic which I copied separately at full size.) From that "master" I produced a double-sided "working copy" that I use at the workbench, which again is complete and still far more legible than the "partial repro" I had paid for previously.

So here I am- if anyone is interested, I'm offering copies of the ART-13 operation and maintenance manual for the cost of copying at Kinko's plus the cost of postage. (I'll throw in my time since this is a hobby, and maybe someone will do the same for me someday.) If anyone is interested, send me an email and I'll post a firm (copying + postage) price on the list.

My $0.02 on the copyright issue: In general, I agree with those who have said that copyrights, even old ones or neglected ones, should be respected. The company I work for depends on the concept of "intellectual property" for its very existence. Speaking only for myself, I wouldn't give or receive copies of documents that ARE available from their original publishers. In the case of obsolete documents I would want to have documented (!) that a good faith effort to obtain permission was ignored if *any* money was going to change hands.

Your mileage may vary,

IEA

--
"Are you boys the police?"
"No ma'am, we're musicians."
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~%~~~~
Ian E. Abbott                        |  abbott.ian@gene.com   %
Genentech, Inc.                      |  Voice: 415.225.1793  %
Fermentation/Recovery                |  Pager: 415.655.9160 <"}}}}><
Information Systems Group            |  Fax:   415.225.3541  _|  _|

---

Date: Mon, 7 Jul 1997 16:22:44 -0400 (EDT)
From: "P. J. Rovero" <provero@connix.com>
To: boatanchors@theporch.com
Subject: WTB: Tube Copier
Message-ID: <Pine.BSI.3.95.970707161947.26085B-100000@comet.connix.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I, too, would like to purchase a tube copier
(only for reproducing hollow-state devices for my own
stable of BA's, not for resale).
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Oh, yeah, and one of those gadgets that builds the
breadboard circuits straight from hand-drawn
schematic and block diagrams.... :-)

P. J. "Josh" Rovero email: provero@connix.com
Oceanographer work: rovero@sonalysts.com
Meteorologist radio: KK1D
Curmudgeon at Large web: http://www.connix.com/~provero/

Date: Mon, 7 Jul 1997 15:07:07 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Subject: Re: Copyrights (continued)
Message-ID: <v01520d00afe6ab828fce@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I don't think I was clear enough in my previous posting about copyrights;

The 1909 Law provided for two terms, the first term was 28 years, the second 47. The renewal application *had* to be filed *during* the 28th year of the first term. The 1909 law was in effect until 1978, when the current law came into effect.

In 1992 the law was ammended to *automatically* grant the second term (47 years) for works that received their *first* registration between 1/1/64 and 12/31/77. This means that works registered between 1/1/64 and 12/31/77 are automatically covered for a total of 75 years.

(So, if your owners manual was created or first published between January 1, 1964 and December 31, 1977, you are out of luck until 75 years from it's creation date or registration date.)

If your manual was created, or first registered, *before* January 1, 1964, it's copyright *may* have expired 28 years after it's creation or registration date. (Nothing created or registered in 1964 or later will go public until at least 2039.)

So, pre-1964 may be fair game IF the copyright holder failed to renew the registration in the 28th year. (1991 for works created in 1963). I'd say that's a fair bet for companies that are long gone. (Hallicrafters, Swan, etc.) and may be an even bet for ones that are still in business. Most companies are too busy filing new invention disclosures and copyrights to

update their rights on 28 year old stuff. I'd be interested to hear from any RCA or Sylvania employees with first hand knowledge on the matter.

I recently discovered that Sylvania *had* let the copyright lapse on their 1946 Tube Technical Manual and was thinking of making up a few dozen copies for listmembers. Last week I saw that Lindsey is now re-printing it. I don't know if it was a lucky guess, but it sure killed my plans.

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Mon, 7 Jul 1997 14:14:37 -0700
From: Matt Jodziewicz <mattj@orausa.com>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Subject: FT101 knob and comments
Message-ID: <01BC8AE0.1AEEDB60@mattj.orausa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A friend and myself are restoring
a yaesu FT101 (yes with 3 tubes!!) to run a comparison
against US made boatanchors of the period for data in
an article on why (or maybe?) US companies disappeared with
the foreign invasion in the late 60s and early 70s. We would
like to compare the FT101 to some Heathkit, Swan and
WRL Galaxy models for a start. The FT101

was apparently one of the first to compete against the US
makers and to introduce the plug-in boards, etc.in 1971.
(I will let you know what I think of the plug in boards vs
components as found in the older equipment as I
continue to troubleshoot!!)

Anyway, to the point, does anybody (horrors!) have an
FT101 small knob (loading type with skirt, no pointer)
they would be willing to part with?? I would appreciate
hearing any comments, comparisons or thoughts
about the FT101 and its contemporaries about 1971
by private e-mail so as not to burden the list.

Thanks and check for those knobs...I promise not to
mention the name of anybody who finds one.

73 de Matt WB2VZS

Date: Mon, 07 Jul 1997 17:20:34 -0500
From: David Meitzen <hdmeitzen@champion.aclic.com>
To: boatanchors@theporch.com
Subject: FS: Collins 312B-5 , WTB 455.8kc xtal
Message-ID: <33C16BB2.4EAA@aclic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 312B-5 is the vfo console unit some what rare. I am selling this one
because I am coming in ownership of another. The condition is CCA very
good. No dents, mods, etc. for those of you that are interested please
make offer. I will take up bandwidth responding to the three high offers
for best and final in a few days.

I am looking for a 455.8 xtal CW offset xtal for a s-line 1 CW xtal
filter. I ended up with a unit without the xtal. Something to keep in
mind when buying these units. Someone installed the xtal filter W/O the
xtal. If someone to could direct me to a source I would be a very happy
BAerrr.

Best Regards to the group!
Dave

Date: Mon, 07 Jul 1997 18:43:30 -0400
From: Mac Shawe <macshawe@erols.com>

To: Boatanchors <boatanchors@sco.theporch.com>
Subject: Vibrators & Caps
Message-ID: <33C17112.99C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While looking for a dual filter cap. for an Supreme audio osc. I am restoring, I discovered two 5 pin 12 vdc vibrators 1)Bendix 409772 & 2) ATR 12838. I have seen some discussions about them in this forum but paid no attention. Would someone plse.tell me how to test them & are they useful to anyone? Also I found two NOS caps in boxes 1)1000 Mfd @ 25 vdc & 2) 2000 Mfd @ 25vdc- both Cornell Dubilier. Are they useful to any of you transmitter types?
BTW. I replaced all wax paper caps in the osc. Without exception I have found wax paper caps. 40 megohms & lower- some as low as 1 meg. Also many of the black beauties are leaky. I don't know if this has been discussed in this forum but it is something to bear in mind because the leaky cap can lower the Q of an osc. ckt. enough to prevent oscillation. Regards, Mac

Date: Mon, 7 Jul 1997 17:55:02 -0500 (CDT)
From: stevenn@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: WTB Collins 310 with 2E26 final
Message-ID: <199707072255.RAA15355@dfw-ix7.ix.netcom.com>

HI BA Fans:

I am looking to purchase (or will trade for) a Collins transmitter 310 type with a 2E26 final. There were two versions. One with an antenna tuner built in and one without.

The transmitter need not be pretty. It will be used on the air as opposed to "collected" (accumulated).

Please let me know what you have.

I have several pieces of working gear (BA) for trade, although I prefer to purchase outright.

Regards to all....

Steve K2PTS
Schaumburg, Illinois

Date: Mon, 7 Jul 1997 19:58:15 -0400 (EDT)
From: Doug Hall <dhall@jps.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 6080 tubes?
Message-ID: <199707072358.TAA07807@passport.ipass.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
 Found some NOS 6080 tubes here. Are there any boatanchors out there that use these? I'd like to trade some for a pair of the following: 6L6GB, 6CA7, or 1614.
73,
Doug, KF4KL

Date: Mon, 7 Jul 1997 20:13:32 -0400 (EDT)
From: DCrespy@aol.com
To: dfrancis@iex.net
Cc: boatanchors@theporch.com
Subject: Re: Crystal IF's for ARC-5's ?
Message-ID: <970707201330_-559231978@emout20.mail.aol.com>

df
If you look in older handbooks (60's vintage) the filter was handled with a center-tapped transformer (or capacitive coupling and a capacitive divider) and two crystals about 1.5 to 2 Mhz apart. This is a "half-lattice" filter.
 My books show that the Command sets were not center-tapped, so capacitors may be the only way to go.

Have fun!
Harry KG5LO
Saline MI

Date: Mon, 7 Jul 1997 20:15:54 -0400 (EDT)
From: Jderm740@aol.com
To: boatanchors@theporch.com
Subject: thanks
Message-ID: <970707201552_-326145965@emout17.mail.aol.com>

To all who answered my question about ths Hammarlunds.
Thanks for saving me a lot of work.

Jack Jderm740@aol.com

Late risers! Shave in just 2 minutes flat
Kiss your wife and grab your hat "BURMA-SHAVE"

Date: Mon, 7 Jul 1997 19:38:07 -0500
From: "Grant Youngman" <nq5t@gte.net>
To: boatanchors@sco.theporch.com
Subject: (Fwd) Hammarlund equipment
Message-ID: <199707080038.TAA27368@smtp.gte.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang ...

Steve Pituch sent the following to me. I'm repeating it here in case any of you have an interest in any of the stuff he is describing. Please reply to Steve directly at mailto:n2mnn@openix.com, and not to me.

------- Forwarded Message Follows -------

> Someone by the name of Gil Linn came to our radio club a couple of weeks ago looking to sell some boatanchors. He came back and donated all the gear to the club last week since he was closing on his house and had to move out right away. Since no one at the club was interested I made a donation to the club treasury and took everything home. I ended up helping Gil clean out his basement a day before his closing and got two more car loads of equipment.
>
> My only experince with boatanchors was the recent restoration of a C-Line.
>
> There is now a lot of Hammarlund gear in my house. I am looking to sell at least some of it since I just don't have enough space for it all. From what I have heard, Gil worked for Hammarland. The documentation I have seems to confirm this, or maybe he had a ham radio store at some time. All the gear was claimed to have worked 20 years ago, but all pieces were covered with a thick layer of dust.
>
> I would first like to get an idea of the value of the equipment, and the practicality of selling it. I can't even imagine shipping an

SP-600.

This is what I have: [Steve thinks this is a JX-10}

SP-600-JX-?? Cleaned up nicely. Only a few scatches by the rack mount notches. This is the rack mount version. Front panel very shiny, as are black bezels around tuning windows. Plexiglass windows clean. Two forward set screws for the top rack mount cover shield missing. Bottom cover is missing. Underside parts very clean. Looks like all connections still varnished; no mods. Works fine. Comes with users manual and overhaul manual. Also have manufacturer's drawings of a list of all SP-600 variants. Something a dealer or salesman might have had.

SPC-10 Rack mount. Paint looks duller than SP-600. Some light scratches in addition to those around rack mount holes, but repairable. White lettering 100%. Some purplish-brown tarnishing on chassis. Several tube shields missing. Works well in conjunction with SP-600 on CW and SSB. I can tell this was not built to the same military standards as the SP-600. Several new user manuals of this.

HC-10 Not tested yet but seems to be in better condition than SPC-10.

HX-50, and HX-500. Not cleaned up nor tested yet but seem to be in good shape. HX-500 is in cabinet.

I have put the SP-600 and SPC-10 in a 32" high black crinkle finish rack.

I also got a dirty Collins 75A3 with an extra filter (800 hz ?).

<snip>

Steve Pituch, N2MNN

Please respond directly to mailto:n2mnn@openix.com

Grant Youngman / NQ5T

nq5t@gte.net
BA pics at http://home1.gte.net/nq5t
Double Oak, TX -- nr Dallas

Date: Mon, 7 Jul 1997 21:54:38 -0700 (PDT)
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
To: boatanchors@sco.theporch.com
Subject: Two national questions (SW-3 & NC100)
Message-ID: <199707080454.VAA12757@rubens.artisan.calpoly.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all, I'm talking to a local fellow who has two national receivers,
I've got a couple of questions:

Did the SW-3 ever come with a 1/4 inch phone jack and switch on the front
panel, or are these user-supplied improvements?

This NC100 is a "battery" model. Were these less common than AC versions?
Can anyone give me an approx. value range on a NC100 in very nice cosmetics
(not working).

Thanks for any help.

73
Dave
KF6BOM

David Ragsdale
doragsda@oboe.calpoly.edu

End of BOATANCHORS Digest 1546

>1547
>From owner-boatanchors@theporch.com Tue Jul 8 16:15 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTP id QAA06236
> for <SHIMSHON@URO.THEPORCH.COM>; Tue, 8 Jul 1997 16:15:57 -0500 (CDT)
>Received: from sco.theporch.com (localhost [127.0.0.1])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with SMTP id VAA27608;
> Tue, 8 Jul 1997 21:14:36 GMT
>Message-Id: <199707082114.VAA27608@sco.theporch.com>
>Date: Tue, 8 Jul 1997 16:14:35 CDT
>Sender: owner-boatanchors@theporch.com
>From: boatanchors@theporch.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: BOATANCHORS digest 1547
>Mime-Version: 1.0

>Content-Type: multipart/mixed; boundary="--
__ListProc__NextPart__868396464434198232"
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
>Status: O

BOATANCHORS Digest 1547

Topics covered in this issue include:

 1) Re: Crystal IF's for ARC-5's ?
 by John Kolb <jlkolb@cts.com>
 2) Re: Need info: tube equivalents
 by Scott Robinson <spr@earthlink.net>
 3) Re: [VSS:1389] A New Part for me...
 by Scott Robinson <spr@earthlink.net>
 4) Mil O-scope worth it?
 by frank_adams@onf.com (Frank Adams)
 5) Mystery Bridge?
 by frank_adams@onf.com (Frank Adams)
 6) WTB: Heath C-2 Condenser Checker Manual
 by Chris Lamousin <chrisl@netdoor.com>
 7) Wanted: Heath DX-100 Misc
 by w8xq@juno.com (JEFF D WILDER)
 8) Value of BTI and KWM2
 by EdKB2NSP@aol.com
 9) Classic eXchange
 by w2ec@VNET.IBM.COM
 10) Re: Classic Exchange (CX)
 by MODSTEPH@ACS.EKU.EDU
 11) Back from Fishing
 by "Ray Allen, W2KBR/3" <raallen@erols.com>
 12) 32V2 problem
 by carl yaffey <cyaffey@sprynet.com>
 13) Heath AR-3 Knobs
 by "Grant Youngman" <nq5t@gte.net>
 14) 6146 tubes
 by stevenn@ix.netcom.com (Steve M Fried)
 15) RE: 6146 tubes
 by Ed Sieb <esieb@gmsiworld.com>
 16) FS: 75A4 CCA Excell. +SPk
 by David Meitzen <hdmeitzen@champion.aclic.com>
 17) Re: 390A AGC problem
 by "Mark Shaum" <mashaum@fcg.net>
 18) Freq counters
 by w1nml@juno.com (Lock Pingree)
 19) IO-4541...
 by Ken Gordon <keng@uidaho.edu>
 20) Re: Freq counters

 by Ken Gordon <keng@uidaho.edu>
 21) IO-4541...
 by Ken Gordon <keng@uidaho.edu>
 22) answer to 6146 question
 by stevenn@ix.netcom.com (Steve M Fried)
 23) NEED HALLICRAFTERS SCHEMATICS
 by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
 24) P&H and HP manuals needed
 by "David L. Thompson" <thompson@mindspring.com>
 25) HEATHKIT SERVICE BULLETINS
 by joelutz@juno.com (Joseph W Lutz)
 26) (Fwd) Re: Source for 572-B Tubes?
 by "Ed Santavicca" <santavic@ct.picker.com>
 27) RE: answer to 6146 question
 by Ed Sieb <esieb@gmsiworld.com>
 28) The History of Prefixes: Probable Guesses
 by "Roberta J. Barmore" <rbarmore@indy.net>
 29) Adding 160 meter coverage to the Collins 75S3-C receiver ???
 by Michael Crestohl <mc@shore.net>
 30) What's a model BP radio equipment?
 by BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slb.com>

Date: Mon, 7 Jul 1997 22:29:17 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: DCrespy@aol.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Crystal IF's for ARC-5's ?
Message-ID: <Pine.SCO.3.91.970707222847.12211E-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jul 1997 DCrespy@aol.com wrote:

> If you look in older handbooks (60's vintage) the filter was handled with a
> center-tapped transformer (or capacitive coupling and a capacitive divider)
> and two crystals about 1.5 to 2 Mhz apart. This is a "half-lattice" filter.

Better make that 1.5-2 KHz apart.

John

Date: Sun, 6 Jul 1997 22:19:29 +0100
From: Scott Robinson <spr@earthlink.net>

To: MODSTEPH@ACS.EKU.EDU
Cc: boatanchors@theporch.com
Subject: Re: Need info: tube equivalents
Message-ID: <v03007800afe5bbc14be1@[153.34.139.164]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got two with military designation that my
>equivalency tables do not list: what are they, please?
>
> 5651 and 6005 (which looks a lot like a 6AQ5)

Give the man a prize! 6005 = 6AQ5

5651 is a low current VR tube used to make reference voltage in regulated
power supplies. Real Tek scopes (the ones with more than one firebottle)
generally use these.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Mon, 7 Jul 1997 22:57:19 +0100
From: Scott Robinson <spr@earthlink.net>
To: ranickel@mwci.net
Cc: boatanchors@theporch.com
Subject: Re: [VSS:1389] A New Part for me...
Message-ID: <v03007800afe716089723@[153.34.140.186]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob wrote:

 "1.5 volts,
>constant regardless of battery voltage".

Snip, snip

"Stabilytic" made by something like
>(NE?)"UMANN" (first letter(s) missing).
>
>This is a new one for me. Anyone ever hear of one of these babies and
>can explain how it works? Mercury cell is my guess...but that's all
>it is! The radio is 1960's vintage and the voltage is still OK.

Scott sez:

Well, it might be similar to the bias cells that Mallory used to make. I don;t know what hteir chemistry was. MErcury batteries maek either 1.35 or 1.4 V.

As to schematics in equipment, I think it's the German legislators rather that the eingineers we should thank; I was told it was a legal requirement to furnish the diagram with the set.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: 07 Jul 1997 23:37:28 GMT
From: frank_adams@onf.com (Frank Adams)
To: boatanchors@theporch.com
Subject: Mil O-scope worth it?
Message-ID: <789839838.7246818@onf.com>

Have quite hefty portable mil-surplus scope marked OS-106C/USM-117, mfg ETC/General Atronics, with dual-trace plug-in, something like a little Tek. Unit is sand-state. Still has very bright trace, but only displays a little curlicue onscreen at all settings (er, dead sweep?), and vert/horiz position controls have little effect. Curious if it is a quality unit worth paying someone knowledgeable to work on, and who might do it. Appreciate any relevant email - TIA, Frank.

Date: 07 Jul 1997 23:36:00 GMT
From: frank_adams@onf.com (Frank Adams)
To: boatanchors@theporch.com
Subject: Mystery Bridge?
Message-ID: <924516350.7246757@onf.com>

Am thinking that some of my posts are not making it to the listserver, but will keep trying anyway...Can anyone identify a small piece of military BA test gear? Small box Signal Corps.-grey snap-on cover construction, weighs 6 1/2 lbs, marked Test Set I-181B; mfg Marine View Electronics; appears to be some kind of bridge. Phone jack marked BG, binding posts marked T,R,S,Bat & Gnd, 3 spring-lever switches for Soak & various ma values (leakage?), 2 *very* heavy pots and 2 smaller (fine adj) pots, marked in pairs "1" & "2"; other sundry twists switches for various resistance value limits. Any insight its application/use, or a copy of the TO's for it deeply appreciated.
 Kindly email - Frank Adams

Date: Tue, 08 Jul 1997 04:49:25 -0500
From: Chris Lamousin <chrisl@netdoor.com>
To: boatanchors@theporch.com
Subject: WTB: Heath C-2 Condenser Checker Manual
Message-ID: <33C20D22.7931C7B6@netdoor.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess the subject says it all.
Thx,
Chris

Date: Tue, 08 Jul 1997 07:20:39 EDT
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: Wanted: Heath DX-100 Misc
Message-ID: <19970708.072408.5255.0.W8XQ@juno.com>

Hello
I'm looking for rubber feet for my DX100 cabnet. Please reply if you can help.. Thankyou
73
Jeff D Wilder (W8XQ)
Email : w8xq@juno.com

Phone: (616) 381-4133

Date: Tue, 8 Jul 1997 08:05:06 -0400 (EDT)
From: EdKB2NSP@aol.com
To: boatanchors@sco.theporch.com
Subject: Value of BTI and KWM2
Message-ID: <970708080506_103362829@emout15.mail.aol.com>

Greetings BA fans !
 An acquaintance asked if I'd be intersted in buying a KWM2 and and amplifier from his friend's estate ! The amp is a BTI (Brad Thompson Industries) LK-2000.The only condition info I got was " I saw them in operation several years ago ", but suspect the amp was driven very hard by other indications !
 I've been invited to inspect the gear and want an idea of what to offer for them ! I'm not very familiar with Collins gear, and am "clueless" regarding the amplifier. I would be grateful for some help in pricing these items !
 Thanks ! Ed K.

Date: Tue, 8 Jul 97 08:09:49 EDT
From: w2ec@VNET.IBM.COM
To: boatanchors@sco.theporch.com
Subject: Classic eXchange
Message-ID: <199707081210.MAA11604@sco.theporch.com>

Anyone seen anything on AWA and/or Classic eXchange activities? Last I heard was the Winter CX. Wondering if there is anything else going on/planned?

73, Ray W2EC w2ec@vnet.ibm.com

Date: Tue, 08 Jul 1997 09:33:22 -0400 (EDT)
From: MODSTEPH@ACS.EKU.EDU
To: boatanchors@theporch.com
Subject: Re: Classic Exchange (CX)
Message-ID: <01IKZMCOH3WE0016R1@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Ray, W2EC, wrote:>>>
Anyone seen anything on AWA and/or Classic eXchange activities?

<<<

The Classic Radio Exchange (CX) is a bi-ennial event (twice a year, that is...) which happens the last Sunday of September and the first Sunday of February. First started over 20 years ago by Stu Stephens, K8SJ (now SK), there are several of us on the list who have participated in it since the beginning and have helped with its administration: myself (Al Stephens, N5AIT), Jim Hanlon, W8KGI, and Marty Reynolds, AA4RM, to name a few.

As far as I know we are still on for that sacme schedule, and the "official announcement" will be posted on this list (and in QST, ER - if Jim is on top of this!)

If you want a copy of last CX's notice (only thing changed for next one will be the date) email me and I'll send you one individually. The event is an operating "contest" of about nine hours, and your score multiplier comes from the combined age of all the transmitters and receivers you get on the air (three QSO's minimum to count)...

CU in CX - in September!

73, Al N5AIT
modsteph@acs.eku.edu
Allan Stephens
Richmond, Kentucky

Date: Tue, 08 Jul 1997 09:36:52 -0700
From: "Ray Allen, W2KBR/3" <raallen@erols.com>
To: heath@listserv.tempe.gov, boatanchors@theporch.com
Cc: DRAKE-L@fablotz.min.net
Subject: Back from Fishing
Message-ID: <33C26CA4.2892@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

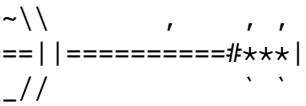
Groups: Well, Back from Canadian Fishing Trip. In a word: GREAT!! If ya be looking for a place to go, strongly suggest Rideau Canal Ontario Canada...Outstanding...(to the purists, sorry for the BW)

73 Ray Allen, W2KBR/3
8303 Grainfield Rd,
Severn, MD, 21144-2331

Date: Tue, 08 Jul 1997 09:43:55 -0400
From: carl yaffey <cyaffey@sprynet.com>
To: boatanchors@theporch.com
Subject: 32V2 problem
Message-ID: <2.2.32.19970708134355.00c36d80@m1.sprynet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang, I'm hoping for some insight here. My 32V2 works great up to 15M. Above that, in TUNE position, with the final "dipped" and the loading all the way out, the plate current increases as I go up in frequency. The dip also becomes shallower and shallower. At 10M, the current is about 200MA with a VERY shallow dip. I suspect a bad 4D32. Any other ideas?
73, Carl

Carl Yaffey; cyaffey@sprynet.com; 614 268 6353;, Columbus OH, K8NU (ex-W4EZB)
Yaffey Software Development, Inc.; Banjo player for One Riot One Ranger.



Date: Tue, 8 Jul 1997 10:07:17 -0600
From: "Grant Youngman" <nq5t@gte.net>
To: boatanchors@sco.theporch.com, heath@listserv.tempe.gov
Subject: Heath AR-3 Knobs
Message-ID: <199707081500.KAA02858@smtp.gte.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang ...

The seller of my newly acquired Heathkit AR-3 neglected to mention that several of the knobs were not original (nice cabinet, though!). On the off chance that anyone can help, I need one of the small pointer knobs and both the main tuning and volume control knobs (the two on either side of the main tuning dial).

Thanks .. Grant/NQ5T

Grant Youngman -- NQ5T
nq5t@gte.net

HTTP://home1.gte.net/nq5t/index.htm
Double Oak, TX (near Dallas)

Date: Tue, 8 Jul 1997 10:13:49 -0500 (CDT)
From: stevenn@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: 6146 tubes
Message-ID: <199707081513.KAA24335@dfw-ix11.ix.netcom.com>

Hi Gang

Can someone knowledgeable about these tubes advise which would
have the most RF output (at ccs cw ratings):

6146
6146A
6146B
6146W

Im looking for the most CW output and wondering which would be
best (as used in my newly acquired Valiant 1).

Thanks for any suggestions!

73

Steve K2PTS
Schaumburg, Illinois

Date: Tue, 8 Jul 1997 11:42:56 -0400
From: Ed Sieb <esieb@gmsiworld.com>
To: "'Steve M Fried'" <stevenn@ix.netcom.com>
Cc: "'BoatAnchors'" <boatanchors@sco.theporch.com>
Subject: RE: 6146 tubes
Message-ID: <01BC8B94.14E67700@dstephen.gmsiworld.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Steve,
The 6146B and 'W have 35W plate dissipation rating as opposed to 25 W =
for the 6146 and 6146A.
The 6146W are simply 6146B's rated Mil-Spec, (or JAN rated).=20
Generally speaking, for CW service, you'll get about the same power =

output from all of them. The 6146B's were recommended more for SSB =
service, and lower IM products.

Expect to pay about $5 for a 6146, $7.-$15. For the 'A's, $15. - $20. =
For the 'B's and about $25. Or so for the 'W's, (all "tested good", or =
NOS/New prices).
(At least this is what we pay here in Canada)
Hope this is useful.

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Ed Sieb, VA3ES - VE2SS - VE2BAQ
P. O. Box 8377, Ottawa Terminal
Ottawa, Ontario, =20
K1G 3H8    CANADA
613-738-8924  (H)
613-599-5161  (W)=09
esieb@gmsiworld.com
AMI # 529 - Canadian Division Director    =09
QCWA # 28666  Life Member
AWA  Member
Net Manager - Canadian Boat Anchor Net (3745 Kcs)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Date: Tue, 08 Jul 1997 11:42:24 -0500
From: David Meitzen <hdmeitzen@champion.aclic.com>
To: boatanchors@theporch.com
Subject: FS: 75A4 CCA Excell. +SPk
Message-ID: <33C26DF0.28DC@aclic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This unit has 3 filters. The unit is unusal because it has the staggered
Lettering for Noise Limiter. The unit has had a recent alignment and is
a hot receiver. The serial number is 121. In addition the standard
speaker 270G-1 is included - the speaker condition is CCA good to very
good. I purchased this receiver from the orginal owner who recognized
the value of the Collins receiver. Again if you are not satisfied I
will refund your money. $1200. For the serious, I will set in front of

the receiver and discribe it in detail in a tele conversation. In addition I will refund the money if it does not meet your expectations. I have a special foam filled military case (fiberglass) that I will ship the unit in. You should plan to pay shipping to your location from zip 60563 and then return the case to me. It's shipping weight is 25 lbs plus the receiver at 40 lbs. I have done this before and it works great.

Best Regards
Dave

Date: Tue, 8 Jul 1997 12:31:06 -0500
From: "Mark Shaum" <mashaum@fcg.net>
To: <Fritsche@msn.com>
Cc: "Boatanchors Reflector" <boatanchors@theporch.com>
Subject: Re: 390A AGC problem
Message-ID: <199707081735.MAA01408@mail.fcg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Al, I'd replace C521, a 2uf cap that is shunted to ground in the medium AGC position. It is also used in slow AGC, but is then switched to the plate of the integrator tube (triode) that essentially serves as a capacitance multiplier. It is disconnected in fast AGC.

The 2uf cap is originally a non-polar, but you may be able to get by with a tantalum or other low leakage electrolytic with the positive end connected to the AGC switch. Experiment with values here if you have time.. I have yet to hear of anybody who likes the original time constants in the 390A. Refer to several ER articles on revamping the AGC circuits to speed up the attack time and provide a better selection of decay time constants.

And then again (thinking slowly today) a leaky cap would tend to reduce the AGC bias with increased loading to ground, and would tend to increase the gain of the receiver for a given signal input. Leads to the common 'distortion with loud AM signals' syndrome. The audio meter would increase in this case when you went to medium from fast, but the carrier level meter would probably drop a bit. Is this the opposite of what you are

seeing? If that is the
case, there may be other problems. (Generally more leaky caps or gassy tubes that are AGC
controlled).

Enjoy the 390A.. I just did a mechanical cleanout (using Goof-Off, got the old dried grease
out very well, much neater than brake cleaner or such) plus lube of the gears and rollers on one
of mine, and between that and re-alignment of the front panel shaft bearings, the main
tuning will nearly freewheel on rapid spinning. Considerably less torque required than
before, much easier SSB/CW tuning now!

Al sez:

>Hey Gang, guess I am on a roll here.
>Noticed that when going from slow agc to med, signal strength went down about
>10 DB, flip to fast and it gets back to normal. Flip back and
>?same problem.
>When I keep it in med, the signal builds up but never gets as good as in fast
>or slow mode.
>What is it , tubes, caps, etc.. I am sure it isn't normal

Mark Shaum K9TR
mashaum@fcg.net
Central Illinois Grid EN50

Date: Tue, 08 Jul 1997 13:37:38 EDT
From: w1nml@juno.com (Lock Pingree)
To: boatanchors@sco.theporch.com
Subject: Freq counters
Message-ID: <19970708.100551.8127.0.w1nml@juno.com>

Well gang,

Looks like I'm in the market for a frequency counter for the "boatanchor" repair bench. Does anyone have any suggestions,or experience with a suitable counter. Would like it to have reasonable sensitivity, accuracy and useable to 500 Mcs.

Better yet, does anyone have one they would be willing to part with.

73, Lock

W1NML/7
AMI #639 QCWA #15033
Phoenix, AZ

Date: Tue, 8 Jul 1997 11:33:24 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: IO-4541...
Message-ID: <Pine.BSF.3.95.970708113258.12390A-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need a manual for the above instrument. Anyone have one or know where I
can get same?

Kenneth G. Gordon W7EKB College of Mines and Earth Resources
226 N. Washington St. //or// University of Idaho
Moscow, Idaho 83843 Moscow, Idaho 83844
(208)-882-8745 (208)-885-6133
Great Highland Pipes, Amateur Radio, Electronic Consulting, Home-Schooling
Traditional Roman Catholic

My PGP Public Key Upon Request.

Date: Tue, 8 Jul 1997 11:40:16 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Lock Pingree <w1nml@juno.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Freq counters
Message-ID: <Pine.BSF.3.95.970708113919.12401C-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jul 1997, Lock Pingree wrote:

>

> Well gang,
>
> Looks like I'm in the market for a frequency counter for the "boatanchor"
> repair bench. Does anyone have any suggestions,or experience with a
> suitable counter. Would like it to have reasonable sensitivity, accuracy
> and useable to 500 Mcs.

Do you want a fire-bottle version or would a (shudder!!!!!) SS one do you?
RS has at least one inexpensive model which would do an adequate job.

Ken W7EKB

Date: Tue, 8 Jul 1997 11:44:00 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: IO-4541...
Message-ID: <Pine.BSF.3.95.970708114303.12401E-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need a manual for the above instrument. Anyone have one or know where I
can get same?

Boy! I see that I didn't list the proper info.

This is a HEATHKIT scope.

Sorry.

Ken W7EKB

Date: Tue, 8 Jul 1997 14:08:39 -0500 (CDT)
From: stevenn@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: answer to 6146 question
Message-ID: <199707081908.OAA16852@dfw-ix1.ix.netcom.com>

Hi BA Gang

Thank you so very much for all your replies. I've counted over

12 replies so far to my question regarding the differences of the
subject valve.

This again shows what a great group you guys (and gals) are !

My pleasure to be associated with all of you. Hopefully, one day,
I'll be worthy of belonging to such a wonderful group of people!

Best regards to all.

Steve K2PTS
Schaumburg, IL

Date: Tue, 8 Jul 1997 14:03:40 -0400 (EDT)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Subject: NEED HALLICRAFTERS SCHEMATICS
Message-ID: <9707081403.aa13745@pcusa01.ecunet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

To: boatanchors@theporch.com

Could anyone help me out with a schematic *only* for a Hallicrafters:

1. SX-146 receiver

2. SX-117 receiver

Will reimburse your expenses, natch. Thanx!

 -John Sehring (Tue, Jul 8, 1997 9:32 am MT @Baker, Montana) UCC WB2EQG

Date: Tue, 8 Jul 1997 15:21:42 -0400 (EDT)
From: "David L. Thompson" <thompson@mindspring.com>
To: boatanchors@theporch.com
Subject: P&H and HP manuals needed
Message-ID: <1.5.4.16.19970708142506.380f4c9e@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have looked or called all my sources and need the following manuals:

P&H 500M Linear amp (uses 12JB6's)

HP 712B Bench Power Supply

Original or copy OK. E-Mail directly to me.

Thanks.

73 Dave K4JRB
thompson@mindspring.com

Date: Tue, 8 Jul 1997 20:01:06 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV
Cc: boatanchors@theporch.com
Subject: HEATHKIT SERVICE BULLETINS
Message-ID: <19970708.200125.7126.0.JOELUTZ@juno.com>

Hi Gang,

 Sorry for the BW, but didn't want anyone to think that no other Bulletin information was forthcoming. Been QRL with work and fixing the basement, but hopefully I will be posting much more in the next couple of days. I hope I can find someone with the 1977 fiche info that will provide it to me so I can include it with the other Bulletins posted to all. Ciao!

73 de JOE
- - - - - - - - - - -W7LPF/4 (NNN0KUU)- - - - - - - - - - - - - - -
QWCA - NCVA - SOWP - FISTS
Gordonsville, Va 22942 (Orange County)
Looking for: Heathkit HR/HX-20, MR/MT-1,
 EFJ TR Switch, CE 100V/200V
- -

Date: Tue, 8 Jul 1997 16:17:44 -0500
From: "Ed Santavicca" <santavic@ct.picker.com>
To: boatanchors@sco.theporch.com
Subject: (Fwd) Re: Source for 572-B Tubes?
Message-ID: <93844393C@ct1.ct.picker.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

------- Forwarded Message Follows -------
From: Self <CT1/SANTAVIC>
To: KQ4BY@IX.NETCOM.COM
Subject: Re: Source for 572-B Tubes?
Date: Tue, 8 Jul 1997 15:30:06 -0500

On 5 Jul 97 at 12:41, Larry Keith wrote:

> Finally got around to smoke testing the Heath SB-200 amp that I brought
> home a couple of years ago.. Looks good except power out is about 500
> watts on 80, 40, 20; drops to 300 on 15 and is a whole 100 watts on 10.
> So, it seems that it is suffering from a classic case of tired tubes.
>
> Have been checking the catalogs for prices on new tubes. Looks like I
> am going to pay $100+ for a pair of new ones. Just wondered if anyone
> has had any recent experience buying some of these and would recommend a
> source.
>
> In addition, I don't get a reading when I turn the switch to the "HV"
> position. From the schematic, I suspect the three 4.7 meg, 1 watt,
> resistors. Can someone recommend a source for 1 watt resistors in small
> quantities? Newark shows them but I have to buy a 100 to get the three
> that I need..
>
> TIA!
>
> 73,
>
> Larry, KQ4BY
>
>
Larry,

I also had an SB-200 with bad 4.7 meg resistors.
What I found was 3 - 4.7 meg resistors in
series will see 800vdc each. This is probably
2 or 3 times their voltage rating. What I did
is use 8 - 1.75 meg 1/2 watt resistors in series.
I soldered them in series then covered them
with shrink tubing. There is alot of room
under the chassis for these; Plus it ended
up looking real good too. As far as a source
for these resistors, we have a store in the Cleveland
Ohio area called Electronic Surplus that stocks
just what you need every now and then.

E-mail me if you have trouble finding resistors.

I can stop at Electronic Surplus for you.

I'm pretty sure if you replace your 4.7 megs
they will fail again.

ps. My SB-200 has been a great work horse for the last
 3 years. I will never part with it!

73/Ed

AA8TV

Date: Tue, 8 Jul 1997 16:34:35 -0400
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>,
 "'Steve M Fried'"
Subject: RE: answer to 6146 question
Message-ID: <01BC8BBC.D2A6F1C0@dstephen.gmsiworld.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

> Thank you so very much for all your replies. I've counted over
>12 replies so far to my question regarding the differences of the
>subject valve.

Now, I hope all the answers were the same, otherwise you'll be even more confused
than when you started ;^)

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Ed Sieb, VA3ES - VE2SS - VE2BAQ
P. O. Box 8377, Ottawa Terminal
Ottawa, Ontario,  K1G 3H8    CANADA
613-738-8924  (H)     613-599-5161   (W)
esieb@gmsiworld.com
AMI # 529 - Canadian Division Director
QCWA # 28666  Life Member  -  AWA  Member
Net Manager - Canadian Boat Anchor Net (3745 Kcs)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Date: Tue, 8 Jul 1997 15:38:17 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: BA <boatanchors@sco.ThePorch.com>
Subject: The History of Prefixes: Probable Guesses
Message-ID: <Pine.SUN.3.96.970708143340.9714C-100000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

Thought I would write a little bit about callsign prefixes. This does include some speculation, and furthe information would be *very* happily received.

Callsigns predate prefixes by many years. The earliest use goes back to landline telegraphy, in which both stations and individuals used two- and three-letter combinations for identificaion on the wire. In the case of individuals, this was called a "sine" and (along with the word itself) is still in some use among radio amateurs today. (For instance, I'm "RJ" on CW--it is faster to send than "Bobbi" and less apt to be truncated).

The very earliest amateurs used "sines;" station H.A.M. on the US East coast (previously, Hy-Al-Mu, first two letters of the operators' names) is probably the best known. As licensing started, amateur stations were issued calls in the form of a number (district ID in many countries) followed by 2 or three letters.

As international work started in the early 1920s, this form led to confusion; "2XX" could be a valid amateur call in several countries! So amateurs adopted "intermediates," unofficial prefixes (typically the first letter of the countrie's name), usually written lower case. Great Britain used g, France was f, Canada was c and the United States used u!

That lasted until international conferences to straighten out the confusion; what was a pretty simply-fixed annoyance for amateurs had become bedlam for the commercial stations! (They'd been using self-assigned "sines," or ship or city names, with inevitable duplication). I *think* this was the 1927 conference--haven't been able to confirm.

Commercials, who had been using largely alphabetic IDs prior to this, kept that style. Amateurs were mostly just given the prefix tacked on callsigns of the previous form.

So who got what, and why? The wealthier countries, with plenty of radio users and a lot of clout, pretty much took their pick, and left the smaller fry to pick over the leavings.

France kept F; Germany kept D (which makes more sense if you happen to speak the language!) and Spain got E (ditto), but shared a bit (EI, etc) with Ireland (another one where the *real* country name counts). Russia got R--and since the conference was *after* the October Revolution, took "U" for USSR, too. That left the US out, but ever willing to be taken for the whole continent, we got "A;" the US Navy appears to have already been using "N" so we kept that'n, too; and for the US commercials, we got "W" and K," which nobody else seems to have wanted. Those letters were promptly applied to commercial stations--three letters for shore and four for ship, with "W" for the US East of the Mississippi and "K" for the remainder (and not applied consistently for some years).

Great Britain and her empire are an interesting case; the UK proper kept "G," and another block already in use by a giant communications company: "M!" (Gee, guess who?). But most of the rest of the empire was assigned various blocks in "V." In that V resides a minor mystery, which I'd do better solving if I was sure who was Monarch at the time of the conference: V for (Queen) Victoria is a likely guess but the date doesn't seem right, unless it was done in memorial.

This leads to another bit of prefix trivia--in many countries, the number in an amateur call denotes a region or district, but not UK calls. At one time it was a close guide to the year the call was first granted; I don't know if it still is. There is some district ID in UK calls--"GW" is Wales, and I think "GS" is Scotland; "GM" is Isle of Man, and I believe the Channel Islands (Guernsey, etc.) have distinct prefixes of their own. In recent years, "M" prefixes have been granted to UK hams holding higher-level licenses.*

But back to Empire! Not every last bit upon which the sun didn't set went along with "V"; for commercial stations, Canada--a huge and prosperous country, after all--split up "C" with Chile and Cuba (another case of prior use) and some parts that'd broken away (I think--need help here) kept or invented their own prefixes, notably New Zeland (ZL) and South Africa (ZS?)

There have been notable exceptions to the internationally-assigned prefixes; Tibet (mostly Crown subjects operating) used "AC4" into the 1930s, for no reason I have been able to find.

Brazil's "PY" is another small mystery; there was at least as much radio work happening there in the '20s as elsewhere in South America and probably more, yet the prefix is unlikely to have been first choice--unless it was already in use there for some reason.

So there's my little bit on prefixes. This first draft was done without benefit of references, during lunch at work, so it contains errors and has undoubtedly left out countries with interesting call-letter history and/or assignments--anyone with something to add, please do!

73,
--Bobbi

* Would someone from Great Britain mind a few e-mail exchanges to help me sort out A) Names & reigns of the past few Monarchs and B) my understanding of the various names applied to that green & pleasant land, whole and in various subdivisions? 'Fraid I still don't quite get it. >blush<

Date: Tue, 8 Jul 1997 17:08:38 -0400 (EDT)
From: Michael Crestohl <mc@shore.net>
To: collins@listserv.tempe.gov
Cc: boatanchors@theporch.com
Subject: Adding 160 meter coverage to the Collins 75S3-C receiver ???
Message-ID: <199707082108.RAA21068@northshore.shore.net>

Hello Everyone:

I was doing a bit of work on my 75S3-C over the weekend and I am wondering if anyone has been successful at adding 160 meter coverage to the radio. I am thinking that it might be possible given the second crystal deck arrangement.

Anyone tried this?

73,

Michael Crestohl, W1RC
mc@shore.net

Date: Tue, 8 Jul 1997 11:41:35 -0600 (MDT)
From: BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slb.com>
To: boatanchors@theporch.com
Cc: RAGAIN@hubvx6.sedalia.wireline.slb.com
Subject: What's a model BP radio equipment?
Message-ID: <970708114135.3d8043b1@hubvx6.sedalia.wireline.slb.com>

Hello Boatanchorites,

I have a module from a "model BP radio equipment" that I'm curious about.

It's is a "type CFN 52ADF transmitter RF oscillator" module made for Navy Dept-Bureau of Ships, by Farnsworth Television and Radio Corp. Contract number is NXsr 51585.

The module apparently plugs into the "BP" equipment. It contains two tubes which are well clamped in and I can't read the numbers very well..but it looks like type JAN-CIM-16E tubes. Haven't found those in any references either (including Tube Lore).

Anyone have a clue what this BP equipment is? Any comments appreciated.

Thanks,

Bob

Bob Ragain WB4ETT Littleton, CO

End of BOATANCHORS Digest 1547

>1548
>From owner-boatanchors@theporch.com Tue Jul 8 23:40 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTP id XAA06742
> for <SHIMSHON@URO.THEPORCH.COM>; Tue, 8 Jul 1997 23:40:44 -0500 (CDT)
>Received: from sco.theporch.com (localhost [127.0.0.1])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with SMTP id EAA11807;
> Wed, 9 Jul 1997 04:39:32 GMT
>Message-Id: <199707090439.EAA11807@sco.theporch.com>
>Date: Tue, 8 Jul 1997 23:39:32 CDT
>Sender: owner-boatanchors@theporch.com
>From: boatanchors@theporch.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: BOATANCHORS digest 1548
>Mime-Version: 1.0
>Content-Type: multipart/mixed; boundary="--
__ListProc__NextPart__868423168434211584"
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
>Status: O

BOATANCHORS Digest 1548

Topics covered in this issue include:

 1) Re: The History of Prefixes: Probable Guesses
 by Richard Loken <richardlo@devax.admin.athabascau.ca>

 2) Need key part
 by Merv Schweigert <k9fd@htc.net>
 3) A change
 by Phillip Porch <ppp@theporch.com>
 4) need diode
 by Jay Coward <jayc@hpcmrd42.sj.hp.com>
 5) Need NC-100 schematic and knob
 by "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
 6) Bathtub capacitors
 by Surplus Al <surplsal@tl.infi.net>
 7) Re: Crystal IF's for ARC-5's ?
 by Mike Maloney <ac5p@ionet.net>
 8) Drake crystals for trade
 by Mike Sanders <k0az@i1.net>
 9) Re: Need NC-100 schematic and knob
 by Avery Comarow <acomarow@USNEWS.COM>
10) How to pay my dues
 by Matt Jodziewicz <mattj@orausa.com>
11) Ampex amps FS
 by Bob Roehrig <broehrig@admin.aurora.edu>
12) Collins Compendium Books
 by w8xq@juno.com (JEFF D WILDER)
13) SX-73 For Trade???
 by w8xq@juno.com (JEFF D WILDER)
14) HP-410C probe part
 by "Joseph W. Pinner" <kc5ijd@net-connect.net>
15) Collins crystals to trade for Drake crystals
 by Mike Sanders <k0az@i1.net>
16) Re: Collective wisdom requested...
 by "Mark Shaum" <mashaum@fcg.net>
17) Re: Copying manuals
 by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
18) Wanted: Unbal Adpt R390A
 by w8xq@juno.com (JEFF D WILDER)
19) Tech America catalog
 by "Robert Nickels" <ranickel@mwci.net>
20) Re: 390A AGC problem
 by "Mark Shaum" <mashaum@fcg.net>
21) A change... for the better!
 by List Admin/Owner Radio Mail Lists <listown@jackatak.theporch.com>
22) Re: need diode
 by Al Klase <skywaves@bw.webex.net>
23) Re: Two national questions (SW-3 & NC100)
 by nielw@ix.netcom.com (Niel Wiegand)
24) Re: The History of Prefixes: Probable Guesses
 by "Dick Dillman" <ddillman@igc.apc.org>
25) Re: Tech America catalog
 by Bob/WB0AUQ <brainbol@lawrence.ks.us>

26) BA Acronyms
 by Robert Lawson <lawson_r@popmail.firn.edu>
27) Re: need diode
 by John Kolb <jlkolb@cts.com>
28) "CONTACT" The movie
 by Bill Richarz <bill.richarz@transprt.com>
29) Radios in Movies
 by Stephan Sykes <ssykes@emirates.net.ae>

Date: Tue, 08 Jul 1997 15:17:48 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
To: "Roberta J. Barmore" <rbarmore@indy.net>
Cc: boatanchors <boatanchors@sco.theporch.com>
Subject: Re: The History of Prefixes: Probable Guesses
Message-ID:
 <Pine.PMDF.3.95.970708151047.541065897A-100000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

Bobbi, I knew I could depend on you for an Interesting bit that I never thought of thinking of:)

Canada of course also had and has the CB calls for hysterical reasons. CB belongs to Chili but the Corp lettered their stations with CB anyway. Canada does of course have CF...CI by convention so all the commercial calls are on the the up and up. Since the first CBC station should have been in 1936 this seconding of Chili's space is after the convention of which you spoke.

Brazil speaks Portugese and is a former colony of Portugal while the rest of South America was linked to Spain due to the Pope splitting the world in two between Spain and Portugal circa 15XX. Could that be why Brazil calles start with PY?

 Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
 Athabasca University : tuques we wear, our heads
 Athabasca, Alberta Canada : are naked!"
 ** richardlo@admin.athabascau.ca ** : - Arthur Black

Date: Tue, 8 Jul 1997 16:53:10 -0500
From: Merv Schweigert <k9fd@htc.net>
To: boatanchors@theporch.com
Subject: Need key part
Message-ID: <9707082153.AA19368@ns.htc.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am in the process of restoring a old bug, and need a shorting lever knob. It is the same type that was used on many J-38 hand keys, and signal electric hand keys. Anyone have one in the junk box ?? Or would buy a junker J-38 or signal electric with the hour glass shaped shorting lever knob. Also need a regular knob from a hand key. Thanks 73 Merv K9FD

Date: Tue, 8 Jul 1997 17:55:31 -0500 (CDT)
From: Phillip Porch <ppp@theporch.com>
To: boatanchors@sco.theporch.com
Subject: A change
Message-ID: <Pine.SCO.3.96.970708175455.775A-100000@sco.theporch.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There has been a change in the mailing list software.

Subscribers who wish to recieve old-style digests can set their mail mode to "DIGEST-NOMIME". Subscribers with mail mode set to "DIGEST" will continue to recieve the MIME encapsulated digests.
To accomplish this please send email to:

listproc@theporch.com

The subject line should be either blank or gibberish like lskdjfl

The body of the message should be:

set boatanchors mail digest-nomime

Date: Tue, 8 Jul 97 16:03:35 PDT
From: Jay Coward <jayc@hpcmrd42.sj.hp.com>
To: baswaplist@foothill.net
Cc: boatanchors@sco.theporch.com
Subject: need diode
Message-ID: <9707082303.AA07606@hpcmrd42.sj.hp.com>

Hello Gang,
I'm in the market for some 1N137A diodes.This is used in the
R-648/ARR-41 aircraft radio (which is all tubes except for
this diode) to tune the BFO.By changing the bias on the diode,
the reactance of the R/C changes the freq. of the oscillator.
It could be that this is a "point contact" diode of the '50's
era.It's in a small metal can like the early transistors and
it's quite likely that the contact has lifted.Any thoughts or
what to use as a replacement?Is this proof that tubes are superior
to sand stuff?
Thanks,73 Jay

Date: Tue, 8 Jul 1997 16:05:11 -0700 (PDT)
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
To: boatanchors@sco.theporch.com
Subject: Need NC-100 schematic and knob
Message-ID: <199707082305.QAA29902@rubens.artisan.calpoly.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I brought a National NC-100XA in from the cold today. Looking at
Moore's book made my head spin because of the large number of variations
that used the NC-100 designation.

I need a schematic for this one, or a manual if anyone has one available. I
got copies from Rider's volume 14, but neither schematic is quite right for
this one. Mine has the steel skirted af and rf gain controls immediately to
the right and left of the band change knob and covers .5 - 30 mhz. This one
has a vibrator power supply that takes 6V input and has a 80 and 6X5G tubes
in the power supply (smallest 80 I ever saw, small GT straight sided
envelope). Has a single 6V6 in there for audio out right now, but I suspect
a 6F6 might be the correct tube.

I also need one of the slab sided bar-type knobs with the metal pointer for
this rig; any out there?

I'm happy to pay copy, postage, and general nuisance costs on the
schematic/manual copy. Thanks in advance.

Dave
KF6BOM

Date: Tue, 08 Jul 1997 18:07:21 -0400
From: Surplus Al <surplsal@tl.infi.net>
To: boatanchors@theporch.com
Subject: Bathtub capacitors
Message-ID: <33C2BA19.29A0@tl.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A question for all the Gentlemen on the net. Are Bathtub capacitors
still being used by the BA folks? If so, what values are normally used?
Thanks 73,s Al W3UGD

Date: Tue, 8 Jul 1997 18:39:24 -0500 (CDT)
From: Mike Maloney <ac5p@ionet.net>
To: dfrancis@iex.net
Cc: boatanchors@sco.theporch.com
Subject: Re: Crystal IF's for ARC-5's ?
Message-ID: <199707082339.SAA19286@mail.ionet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>It seems to me that it should be possible to accomplish this by building a
>crystal into the ARC 5's IF can,

Great idea if you can pull it off!, then tap a sample of the signal at the
last IF and mix it into the tuning range of the BC-453B LW receiver with
the 85KC IF strip and you will have some real decent selectivity. Throw
in a breadboard product detector, a padder on the BFO for passband tuning,
then feed the audio back into the input of the PA tube and you will be
amazed at what performance you can get from these ARC-5's. Good Luck.

73/Mike

Date: Tue, 08 Jul 1997 18:41:31 -0500
From: Mike Sanders <k0az@i1.net>
To: boatanchors@theporch.com
Cc: DRAKE-L@fablotz.min.net
Subject: Drake crystals for trade
Message-ID: <3.0.16.19970708184037.2f477f14@i1.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Greetings All,
 Well its time to do something about this mess so here it goes.
I have some Drake crystals I do not want/need. There are some Drake
crystals I do want/need(?). I will give 2 crystals I have for one
I want. Except for the CB set. I will trade them one for one.

I would like ham band crystals for 30 meters, 17 meters and 10 meters
10.0mc = 21.1mc xtal freq
18.0mc = 29.1mc "
28.0mc = 39.1mc "
29.0mc = 40.1mc "

I have for trade:
(3) 2.5mc = 13.6mc xtal freq
(1) 3.0mc = 14.1mc "
(2) 14.5mc = 25.6mc "
(2) 15.0mc = 26.1mc "
(1) 16.0mc = 27.1mc "
(1) 20.0mc = 31.1mc "
(1) 21.0mc = 32.1mc "
(1) 25.0mc = 36.1mc "

(1) 26.5mc = 37.6mc " CB
(1) 27.0mc = 38.1mc " CB
(1) 27.5mc = 38.6mc " CB

(1) 29.5mc = 40.6mc " 10 meter FM (for those into slope detection)

Any interest or help please email me. 73, Mike K0AZ

P.S. I have more than one TX/RX combo so would be interested in more
than one of each of the ones I am after. Thanks.

 K0AZ formerly KS0F, N0ARH, K4KJG, K0TPW.
 Mike Sanders 3409 Henry Dr. Imperial, MO 63052 314-282-0787

6 Meters VUCC #605 501 grids confirmed 47 countries 49 states 4 continents
 E skip only
2 Meters VUCC #447 188 grids confirmed 3 countries 44 states 1 continents
 Terrestrial only
Satellite VUCC #39 (mode A only)
 Above stats since Feb 95
6 Meter power 170 watts. Max antenna height 57 feet. Max boom length 20 feet.
2 Meter power 170 watts. Max antenna height 62 feet. Max boom length 15 feet.

Date: Wed, 9 Jul 1997 00:04:42 GMT
From: Avery Comarow <acomarow@USNEWS.COM>
To: <doragsda@polymail.cpunix.calpoly.edu>
Cc: boatanchors@theporch.com
Subject: Re: Need NC-100 schematic and knob
Message-ID: <199707090004.AAA03724@sco.theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:08 PM 7/8/97 -0400, doragsda@polymail.cpunix.calpoly.edu wrote:

>
>I also need one of the slab sided bar-type knobs with the metal pointer for
>this rig; any out there?
>
>
>Dave
>KF6BOM
>---

Dave, I've got one you can have, assuming it is the same knob as on the
NC-2-40D. I'd bet it is. Send me your address.

73, Avery W4OGK

Date: Tue, 8 Jul 1997 17:07:20 -0700
From: Matt Jodziewicz <mattj@orausa.com>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Subject: How to pay my dues
Message-ID: <01BC8BC1.66053EA0@mattj.orausa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi guys and gals, well it is time for me to pay my
dues but I lost the address as to where to send them.
Can somebody help?

 Matt WB2VZS

Date: Tue, 8 Jul 1997 19:23:38 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Boatanchors <boatanchors@sco.theporch.com>
Subject: Ampex amps FS
Message-ID: <Pine.ULT.3.96.970708190739.12750B-100000@admin.aurora.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Today I parted out an Ampex stereo console. 'twas a beautiful thing
at one time, but is worse for wear cabinet-wise. Had to cost BIG $$,
I'm sure. Nice preamp, separate power amps, good old Garrard changer,
nice hi-compliance 12" woofers, and 3" tweeters.

Anyway, I would think the power amps would be of interest to BAers
to put behind those surplus rcvrs with puny outputs.

They are push-pull 15 watt jobs (probably 8 or 16 ohms out). There
is an input level control. Nice thing about them is the size -
chassis is 11 1/2 x 4 x 2. Bottom cover has holes in it
to screw down to bottom of cabinet. Would be ideal for rack mounting
and would nicely fit on 5 1/4 inch rack panel. I have not fired them
up but all tubes check real good on the Hickok. All are 9 pin minis:
EF86 preamp, 12AU7 phase inv, 6973 outputs, 6CA7 rect.

I'll take $25.00 each or $40.00 for the pair plus shipping.

 E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
 CIS: Data / Telecom Aurora University, Aurora, IL
 630-844-4898 Fax 630-844-5530

Date: Tue, 08 Jul 1997 20:36:29 EDT
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com, COLLINS@LISTSERV.TEMPE.GOV
Subject: Collins Compendium Books
Message-ID: <19970708.203950.5255.1.W8XQ@juno.com>

Hello People,
Can anyone tell me if it worth buying the Compendiums for 75A4 or the
one that tell
you about the KWS-1, 32V, & 75A series.

73

Jeff D Wilder (W8XQ)
Email : w8xq@juno.com
Phone: (616) 381-4133

Date: Tue, 08 Jul 1997 20:49:32 EDT
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: SX-73 For Trade???
Message-ID: <19970708.205329.5255.3.W8XQ@juno.com>

Hello People,
I'm thinking about tradeing off my Restorable Hallicrafters SX-73. Please
make offers
if your interested. Thankyou
73
Jeff D Wilder (W8XQ)
Email : w8xq@juno.com
Phone: (616) 381-4133

Date: Tue, 8 Jul 97 20:06:18 -0000
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>
To: "Boatanchor 1" <boatanchors@theporch.com>,
 "Boatanchor 2" <BOATANCHORS@listserv.tempe.gov>
Subject: HP-410C probe part
Message-ID: <199707082357.SAA19348@dns1.net-connect.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Help,

I recently acquired a nice HP-410C with RF probe.

Only problem is that the RF probe is missing the screw on cover/tip.

Anyone out there with this part to help me?

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net

Date: Tue, 08 Jul 1997 20:30:51 -0500
From: Mike Sanders <k0az@i1.net>
To: boatanchors@theporch.com
Cc: DRAKE-L@fablotz.min.net
Subject: Collins crystals to trade for Drake crystals
Message-ID: <3.0.16.19970708203007.2b7f73bc@i1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings again,
 I found I had a few Collins S line rocks I would like to trade one for one for Drake crystals. Again, I am looking for ham band crystals for 30M, 17M and 10M.
 For trade I have the following Collins rocks for the operating frequencies of:
3.4mc
6.8mc
7.2mc
9.3mc
10.2mc (2)
15.0mc
21.4mc
Thanks again for any interest or help. 73, Mike K0AZ

K0AZ formerly KS0F, N0ARH, K4KJG, K0TPW.
Mike Sanders 3409 Henry Dr. Imperial, MO 63052 314-282-0787

6 Meters VUCC #605 501 grids confirmed 47 countries 49 states 4 continents
E skip only
2 Meters VUCC #447 188 grids confirmed 3 countries 44 states 1 continents
Terrestrial only
Satellite VUCC #39 (mode A only)
Above stats since Feb 95
6 Meter power 170 watts. Max antenna height 57 feet. Max boom length 20 feet.
2 Meter power 170 watts. Max antenna height 62 feet. Max boom length 15 feet.

Date: Tue, 8 Jul 1997 21:10:12 -0500
From: "Mark Shaum" <mashaum@fcg.net>
To: <keng@uidaho.edu>
Cc: "Boatanchors Reflector" <boatanchors@theporch.com>
Subject: Re: Collective wisdom requested...
Message-ID: <199707090230.VAA19768@mail.fcg.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I went through the same issue a while back, with the hex-hole slugs in a number of my
Hammarlunds. Several procedures were suggested via the BA list, only one which I can
recommend, that being heat.

About sealants.. some coils have wax applied to 'fix' the core. Remove as much as
possible if visible, with forceps, toothpicks, etc.

Lubricants.. if it's a ceramic form, this may work ok. If it's the more usual IF can
impregnated paper form, dont.. if that paper core starts to come unglued, you will
have quite a chore in the restoral process, and most likely will end up scrapping the coil.

Force.. Never! If the slug won't move, don't take a chance on breaking it.

Heat.. Works best for me, both with hollow slugs and with slugs with embedded screws
for adjustment. With hollow slugs, wrap some #10 or so wire around a soldering iron tip
if you don't have a tip long enough to reach into the slug. Heat for 5-10 seconds, then try
loosening. Repeat, if required, but be wary of melting wax from the core that may gum
up the process.

My slug problems were more aggrivating in that the "Force" method had been applied,
most likely with steel allen wrenches, resulting in slugs that were cracked in several
pieces, with pieces forced into the paper forms from the excessive force.

Hints.. If the coil is like many IF cans, with a top and bottom slug, remove the opposite
slug to allow access to the stuck one from both ends. Slugs with embedded screw-thread
segments for adjustment can generally have the screw epoxied back onto the end of the
slug should it work lose.

> How in the heck does one get stuck slugs to move with out breaking the
> darned things?
>
> Ken W7EKB
>

Mark Shaum K9TR
mashaum@fcg.net
Central Illinois Grid EN50

Date: Tue, 08 Jul 1997 21:41:15 -0500
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
To: boatanchors@theporch.com
Subject: Re: Copying manuals
Message-ID: <3.0.32.19970708112040.007da100@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:19 PM 7/7/97 +0000, you wrote:
>Commerce is an interesting thing. Most of us wouldn't blink if a close
>friend asked us to make a copy of a manual that they needed, and also
>wouldn't blink if a stranger offered us $10 for the same priviledge. (We've
>gotten used to the idea that friends deserve favors and strangers pay
>cash.)

I didn't think twice about lending my blue cover R390A manual to a local
antique radio club friend who copied the whole thing at Kinko's.
Got it back in a week. No charge for the lending either...
Of course I only have 2 original manuals. The other one is for my R274
(Halli SX-73 mil version) reciever.

See no problem with anyone lending a manual if needed or even the people
who make a "hobby" living from selling manual copies. If you need that
manual then get a good one (or a decent copy) somewhere!

Robert M. Bratcher Jr.
E-mail to:
bratcher@worldnet.att.net
Record collector, 8mm, super 8, 16 and 35mm Film collector.
Looking for prerecorded reel to reel tape albums.
I like old radio's too.
Collins, Hallicrafters, National & Hammurlund are my Favorites!

Date: Tue, 08 Jul 1997 22:49:05 EDT
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: Wanted: Unbal Adpt R390A
Message-ID: <19970708.225246.5255.0.W8XQ@juno.com>

Hello
I'm looking for a conector to adpt the unbal jack (Lg BNC type)to PL259 coax conector
for the R390A..Maybe someone can even identify the type of conector(Lg BNC)..
Please reply if you can help. Thankyou

73
Jeff D Wilder (W8XQ)
Email : w8xq@juno.com
Phone: (616) 381-4133

Date: Tue, 8 Jul 1997 21:53:20 +0000
From: "Robert Nickels" <ranickel@mwci.net>
To: boatanchors@theporch.com
Subject: Tech America catalog
Message-ID: <199707090254.VAA27040@subcellar.mwci.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi All,

The July 97 catalog from Tech America came today and I'm pretty impressed. While filled with s*l*d st*t* stuff, there is plenty of interest to the BA-oriented...such as high voltage caps at good prices, knobs that don't look like they came off a 1976 Realistic stereo, a good selection of wire, cables, and connectors, Bud boxes and chassis (!), gobs of chemicals, tools, test gear, books, and even radios in the back (Uniden). Closest thing to the old Allied Radio catalog I've seen in quite a while...

No minimum order, and they'll ship next day for a flat fee of $4-12, depending on how bad you want it. Toll-free number is 1-800-877-0072 and I'll bet they'd send you a catalog if you ask nice.

No tubes, but when I see 450 volt electrolytics for under a buck, they're OK in my book!

73, Bob W9RAN

Date: Tue, 8 Jul 1997 21:48:48 -0500
From: "Mark Shaum" <mashaum@fcg.net>
To: "Chip Owens" <owens@stout.atd.ucar.edu>
Cc: "Boatanchors Reflector" <boatanchors@theporch.com>
Subject: Re: 390A AGC problem
Message-ID: <199707090258.VAA20682@mail.fcg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I didn't have to disassemble the gear train, although all the
mechanical grinding noises I started out with made me think
I might have to! I did remove the RF deck (simple procedure
per the manual, but I suggest removing the PTO first) as I had
to check some caps underside, so access was easier.

After liberally dribbling the goof-off solvent with an eyedropper
in all moving parts while rotating the bandswitch and khz
tuning, my grinding went away. A shot of compressed air,
followed by another liberal application of 92%
Isopropyl rubbing alcohol (the better of the two grades commonly
available at drug stores) released most of the gunk that was never
really visible. Most of my problems were within the large planetary
gear mechanism, and a good visual inspection was difficult.

A light teflon-containing oil lube finished the job.

Disassembling the gear train is more tedious than difficult. If you ever
try it, keep lots of notes and drawings. The technical manuals give good
indications of where the slug rack cams should be in case everything gets
mis-aligned during the process. The colorful language applied in this
process
becomes more frequent and louder should you happen to break any of the
gear or shaft lock collars. The military should have speced a pouch of
spares
to be included on the back panel along with the alignment tools!

Above all, enjoy! A properly working 390A is something that every BA'er
should use for a while. Not all folks like them or keep them, but a 390A
is
one unit that will always be within arm's reach in my shack!

73! - Mark

Chip asks about 390A gear train cleaning:

>
> Thanks for the info on the R-390A AGC problem. Mine
> has an AGC problem and audio sounds distorted on AM
> as well.
>
> I've wanted to clean up the geartrain but have been
> very reluctant to pull the geartrain out to clean
> it properly. Since you just did yours...how much
> dis-assembly did you have to do in order to clean the
> geartrain? And what do you use to get the Goof-off
> off? What did you use to lubricate the gears with
> after cleaning?
>

Mark Shaum K9TR
mashaum@fcg.net
Central Illinois Grid EN50

Date: Tue, 8 Jul 1997 21:56:18 -0500 (CDT)
From: List Admin/Owner Radio Mail Lists <listown@jackatak.theporch.com>
To: boatanchors@sco.theporch.com
Subject: A change... for the better!
Message-ID: <9707082156.aa10159@jackatak.theporch.com>

Gang-

For the digest sufferers, here is some good news from Phil...

We got the update for the list processor software to *try* and
genetically predisposed as he is, Phil installed it immediately, and
then took his wife to the movies! ;^)

Subscribers who wish to recieve old-style digests can set their mail
mode to "DIGEST-NOMIME". Subscribers with mail mode set to "DIGEST" will
continue to recieve the MIME encapsulated digests.
To accomplish this please send email to:

listproc@theporch.com

The subject line should be either blank or "."

The body of the message should be:

set boatanchors mail digest-nomime

--
Phillip P. Porch <root@sco.theporch.com> NIC:PP1573 finger for
http://www.theporch.com UTM - 16 514548E 3994397N PGP key
Key fingerprint = F9 4D 41 7D 25 31 A5 1F 65 93 6B 84 A9 F9 5B 90

Date: Tue, 08 Jul 1997 22:24:12 -0700
From: Al Klase <skywaves@bw.webex.net>
To: jayc@hpcmrd42.sj.hp.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: need diode
Message-ID: <33C3207C.5EE@webex.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jay and the Group,

The Motorola S---conductor Data Library lists the 1N137A as a silicon signal diode: 36 prv, 1 volt forward drop at 30 ma. I.e., nothing special. Any reverse biased diode will function as a varicap, especially at the 500 KC IF freq. involved here. I'd stick a garden variety signal diode in and see what happens. If it works you may be able to hide it in the original can. Rule of thumb is that higher current diodes will have larger junction area and higher capacitance when reverse biased.

73,
Al

Jay Coward wrote:
>
> Hello Gang,
> I'm in the market for some 1N137A diodes.This is used in the
> R-648/ARR-41 aircraft radio (which is all tubes except for
> this diode) to tune the BFO.By changing the bias on the diode,
> the reactance of the R/C changes the freq. of the oscillator.
> It could be that this is a "point contact" diode of the '50's
> era.It's in a small metal can like the early transistors and
> it's quite likely that the contact has lifted.Any thoughts or

> what to use as a replacement?Is this proof that tubes are superior
> to sand stuff?
> Thanks,73 Jay

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

Date: Tue, 8 Jul 1997 22:33:23 -0500 (CDT)
From: nielw@ix.netcom.com (Niel Wiegand)
To: boatanchors@theporch.com
Subject: Re: Two national questions (SW-3 & NC100)
Message-ID: <199707090333.WAA04955@dfw-ix12.ix.netcom.com>

Dave,

All of the SW-3 info I have indicates that the headphone circuit was in the plate circuit of the AF output tube and connected via phone tip jacks. I've seen them modified for a phone plug. You probably want to worry about B+ thru the headphones if you use a SW3. I've built up a little external transformer box to isolate my headphones from the radio B+. I bet the switch is a send/receive switch. Again, not stock but if a well done job does a nice function.

Value of a SW3 depends a lot on the coils with it (Check my web page at http://www.io.com/~nielw/index.htm for some help sorting out the various SW3 coils.), condition and whether or not the dog house power supply is with it. I would think SW3s go for $100 to $350 depending on condition, coils and power supply.

The NC100 is a general coverage set with no bandspread which limits its usefulness on the air but it's red and black paint job makes for a good looking radio from a time when everything was black wrinkle. The magic eye version adds some green to the front that really looks neat. It sounds like yours would require an external P/S to get working. My guess on a value would be $50 to $100 depending on the sort of repairs needed.

>
>Hello all I've got a couple of questions:
>
>Did the SW-3 ever come with a 1/4 inch phone jack and switch on the front panel, or are these user-supplied improvements?

>
>This NC100 is a "battery" model. Were these less common than AC
>versions? Can anyone give me an approx. value range on a NC100 in very
>nice cosmetics (not working).
>

Date: Tue, 8 Jul 97 20:39:30 PST
From: "Dick Dillman" <ddillman@igc.apc.org>
To: rbarmore@indy.net, boatanchors@theporch.com
Subject: Re: The History of Prefixes: Probable Guesses
Message-ID: <84385.ddillman@igc.apc.org>

On Tue, 8 Jul 1997 15:38:17 -0500 (EST),
Roberta J. Barmore <rbarmore@indy.net> wrote:

> As international work started in the early 1920s, this form led to
>confusion; "2XX" could be a valid amateur call in several countries! So
>amateurs adopted "intermediates," unofficial prefixes (typically the first
>letter of the countrie's name), usually written lower case. Great Britain
>used g, France was f, Canada was c and the United States used u!

Hey, Bobbi. Thanks for the typically interesting post. Regarding the intermediates, for a while hams in the US used two-letter prefixes: n for North America and u for United States. I know 'cause I had a QSL card with that designation. Sorry to say I lost the card but I remember the call: nu2ASU.

On another bit of radio trivia, a short "Strays" in one of my 20s vintage QSTs revealed the origin of the now-discarded amateur SOS signal of QRRR. It started as QRR with the RR standing for railroad. Seems some of the most important emergency work done by hams, predating the flood work of the 30s documented by Clinton B. DeSoto, was assisting railroads in sending train dispatch orders when the lines were down. The May 1926 issue has a cover by 8ZZ showing a valiant young ham warming himself at the potbelly stove in the train agent's office while the grizzled old dispatcher reads the radiogram our hero has just handed him - obviously after fighting foul weather and the gloom of night to deliver the message. Great stuff. Return with us now to those days of yesteryear... oh, sorry.

73,

Dick

Dick Dillman

WPE2VT W6AWO
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Tue, 08 Jul 1997 22:42:13 -0500
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tech America catalog
Message-ID: <33C30895.37C1@lawrence.ks.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob/W9RAN noted he received his catalog recently. Me too. And am also impressed. First time I have seen it. Noticed it is a subsidary of Tandy (Radio Shack). Kinda neat to see a welcome letter on inside page from the VP, K2RM. The address label makes me think they got mine from FCC database.....

73, Bob/WB0AUQ

Date: Tue, 08 Jul 1997 22:20:13 -0400
From: Robert Lawson <lawson_r@popmail.firn.edu>
To: boatanchors@sco.theporch.com
Subject: BA Acronyms
Message-ID: <33C2F55D.76AD@popmail.firn.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Fellow BA'er,

Got to thinking this evening while listening to the static on 40 meters and got to wondering. I but for the life of me can't figure out some of the these three letter acronyms that I've seen on the service. Now I know that NIB=new in box, and NOS=new old stock (found this out yesterday). Well, I figured I ought to come up with some of my own so that I can fire them back to the fellows who send me messages loaded with them with me not knowing what they mean. Here goes.

BTM=better than mint DIS=dropped in shipment DLC=drifts like crazy
DNI=do not insure FIJ=found in junkyard HBL=hit by lightning

HAL=hums a lot JSB=just smells burnt LOR=lots of rust
NNP=needs new paint NNO=needs new owner NTL=no tubes left
NPI=never plugged in NBU=never been used ODO=only dropped once
RFT=ready for trash RLP=real lousy paint SID=sparks in dark
SAO=scratches all over SEK=somebody elses knobs SBD=seen better days
SOO=smoked only once UTW=used to work WLU=won't light up
WWO=wife wants out YFU=you fix up ZBL=zaped by lightening

In refrence to our numerical (1-10) rating scale, ever gotten a steal on
a 3?
I think I've seen a 6, but I wouldn't know a 2 if it fell out of a tree
in front of me, much less a good 4.5 :-)

Rob WPE4FGR W4RL

Date: Tue, 8 Jul 1997 20:59:48 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Jay Coward <jayc@hpcmrd42.sj.hp.com>
Cc: Boatanchors <boatanchors@theporch.com>
Subject: Re: need diode
Message-ID: <Pine.SCO.3.91.970708204146.3523C-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jul 1997, Jay Coward wrote:

> Hello Gang,
> I'm in the market for some 1N137A diodes.This is used in the
> R-648/ARR-41 aircraft radio (which is all tubes except for
> this diode) to tune the BFO.By changing the bias on the diode,

My Motorola book says it's a silicon, general purpose signal diode -
I would first try replacing it with a general purpose signal diode such
as the 1N914 or 1N4148, and see how much the BFO freq swings, looking
for at least +/- 3 kHz. If you have a lot less, you could put two
signal diodes in parallel for more C, or I'f heard that power
diodes such as 1N4001's have a fairly high capacitance.

Of course the right method would be to figure the total C in the BFO
tank, calculate the coil L from that, and calculate how nuch the
tank C has to change to shift the freq that much. Then choose
a varicap diode of the right C for the tuning voltage to be used.

You may find that the result is a non-linear BFO dial, +1 and -5 kHz
for equal swings either direction from the center of the pot, no

matter what diode you use. In the ARR-41 circuit, R301 loads the pot
to change the shape of the voltage vs rotation curve, and C530
will also affect the shape.

I'm not yet willing to admit my second ARR-41 is a basket case
rather than a round-TUIT project, so not willing to pull the diode
or part with the case as someone was asking the other day. ;-)

John Kolb KK6IL jlkolb@cts.com

Date: Wed, 09 Jul 1997 00:12:31 -0400
From: Bill Richarz <bill.richarz@transprt.com>
To: boatanchors@sco.theporch.com
Subject: "CONTACT" The movie
Message-ID: <199707090413.EAA11175@sco.theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HBO is running a 30 minute documentary on the making
of CONTACT, the movie. Novel was by Carl Sagen & his
wife Anne. There is a short clip involving hamradio.
I think the ARRL was involved in the technical advisory
role. Looks like it's going to be a good movie from
what I saw. Movie begins on July 11, but was released
July 5th for an early showing, but I missed that.

FWIW,

Bill, N4DH

Date: Wed, 9 Jul 1997 08:38:23 +0400
From: Stephan Sykes <ssykes@emirates.net.ae>
To: "'Old Tube Radios'" <boatanchors@sco.theporch.com>
Subject: Radios in Movies
Message-ID: <01BC8C43.79238640@cse017.emirates.net.ae>

I just saw the 60's movie "The Glass Bottom Boat" with Doris Day and Rod
Taylor. There is a lot of Collins equipment in it including a 30S1 on top
of a desk. There is other radio equipment also but it went by too fast. I
will have to tape it the next time it is on. It was on TNT showing over

here in the Middle East.

Regards
Steve Sykes
KD2OM

End of BOATANCHORS Digest 1548
